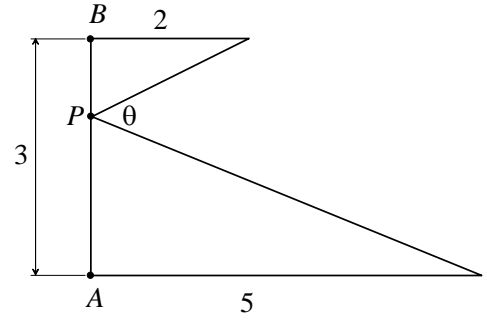


King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 151) Math 101-10 Quiz # 6

Name: _____ I.D. # _____ Sr. # _____

Where should the point P be chosen on the line segment AB so as to maximize the angle θ ?



King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 151) Math 101-28 Quiz # 6

Name: _____ I.D. # _____ Sr. # _____

A woman at a point A on the shore of a circular lake with radius 2 km wants to arrive at the point C diametrically opposite A on the other side of the lake in the shortest possible time. She can walk at the rate of 4 km/hr and row a boat at 2 km/hr. How should she proceed?

